

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 September 2005 (09.09.2005)

PCT

(10) International Publication Number
WO 2005/082408 A3

(51) International Patent Classification⁷: **A61K 39/108**,
39/10, 39/112, 39/106, 39/39, 39/02, 39/00

(21) International Application Number:
PCT/EP2005/002105

(22) International Filing Date: 25 February 2005 (25.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
04300100.7 26 February 2004 (26.02.2004) EP

(71) Applicant (for all designated States except US): **INSERM**
(**INSTITUT NATIONAL DE LA SANTE ET DE LA**
RECHERCHE MEDICALE) [FR/FR]; 101 rue de Tol-
biac, F-75654 Paris Cédex 13 (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LEMICHEZ**,
Emmanuel [FR/FR]; 2 rue Assalit, F-06000 Nice (FR).
CZERKINSKY, Cécil [FR/FR]; Parc Vigier 2, 23 Boule-
vard F. Pilate, F-06300 Nice (FR). **ANJUERE**, Fabienne
[FR/FR]; 31 bis Rue Michel-Ange, F-06100 Nice (FR).
BOQUET, Patrice [FR/FR]; 2 Avenue Galliéni, F-06230
Villefranche sur Mer (FR). **MUNRO**, Patrick [FR/FR];
Le Brissac, 73 Boulevard Henri Sappia, F-06100 Nice
(FR). **FLATAU**, Gilles [FR/FR]; Parc Florentin, Bloc B,
26 Avenue Sainte Marguerite, F-06200 Nice (FR).

(74) Agents: **MICHELET**, Alain et al.; Cabinet Harle et Phe-
lip, 7 rue de Madrid, F-75008 Paris (FR).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report

(88) Date of publication of the international search report:
10 November 2005

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: A VACCINE COMPOSITION COMPRISING AN IMMUNOADJUVANT COMPOUND CONSISTING OF A RHO
GTPASE FAMILY ACTIVATOR

(57) Abstract: This invention is based on the experimental finding that activators of Rho GTPases, namely the cytotoxic necrotizing
factor 1 (CNF1), and DNT bear immunostimulatory properties towards the systemic response to orally administered ovalbumine.
This invention concerns a vaccine composition comprising an immunoadjuvant compound, wherein said immunoadjuvant compound
consists of a Rho GTPase activator.



WO 2005/082408 A3